

SmartGuard RF Gate



INSTALLED AT STORE ENTRY/EXIT

SmartGuard RF Gate is installed at the store entrance and exit to secure your valuable merchandise.



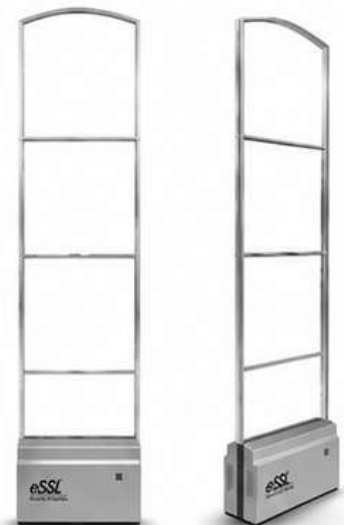
8.2 MHz RF TAG DETECTION

The gate detects 8.2 MHz RF tags attached to the products when they pass through the detection zone.



INSTANT ALARM

If a customer tries to exit the store without billing, the gate triggers an instant alarm to alert the staff and help prevent theft.



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EAS-AM-88 M&S GATE



HOW IT WORKS

1

AM Hard Tags or Labels are attached to the products.



2

Customer exits the store with the products.



3

If the tag or label is not deactivated at billing, the gate detects it.



4



Alarm sounds instantly to alert the staff and prevent loss.



WIDE DETECTION RANGE

Superior detection range for enhanced security coverage.



HIGH NOISE RESISTANCE

Advanced AM technology ensures stable performance even in noisy environments.



BETTER THAN RF

Provides greater detection range and noise resistance compared to RF systems.



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HOW AM HARD TAG WORKS IN A MALL ?

01

Tag Attached to Merchandise

AM Hard Tag is attached to items like clothes, shoes, bags, etc.

02

Removed at Billing Counter

After purchase, the cashier uses the Detacher to remove the AM Hard Tag from the item.

03

Gate (Antenna) Detection

When the tagged item passes through the Gate (Antenna), the system detects the tag.

04

Alarm Triggered

If the tag is not removed, the system triggers an alarm and the red light starts blinking.

05

Security Check

Security staff checks the item and removes the tag using a Detacher.

SYSTEM COMPONENTS



AM Antenna (Gate)

Creates electromagnetic field and detects the tag passing through.



AM Hard Tag

Used on clothes, shoes, bags and other merchandise.



Detacher

Used to remove (deactivate) the tag at billing counter.



Deactivator (Optional)

Sticker tag (if used) is deactivated using this device.



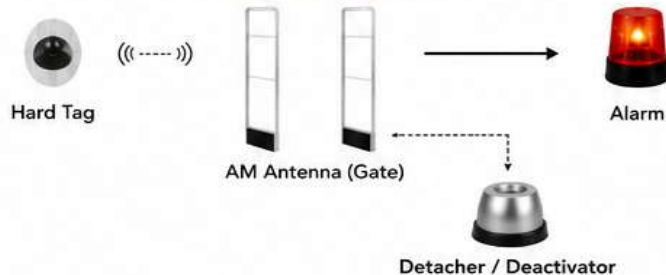
Alarm / Siren (Optional)

Generates audio and visual alert during alarm condition.

HOW DOES IT WORK ? (TECHNICAL OVERVIEW)

- AM Hard Tag contains Coil and Capacitor.
- Antenna (Gate) generates Electromagnetic Field.
- When the tag enters in the field, it reflects signal back.
- The system detects this signal and triggers an Alarm.
- When tag is removed using Detacher or Deactivator, the signal stops and alarm does not trigger.

SYSTEM DIAGRAM



REAL LIFE APPLICATION



AM Antenna (Gate)
Installation



Hard Tag
on Cloth



Detacher at
Billing Counter



Alarm Light
on Gate



Alarm / Siren
Installation



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Powerful Magnetic Force

Equipped with ~10000GS Magnetic Force for reliable and quick tag release.



Safe & Secure

Designed to release the tag without damaging the product.



Easy to Use

Simply place the tag on the detacher and it releases instantly.



Durable & Long Lasting

Built with high-quality materials for daily, long-term use.



HOW IT WORKS



Tagged Product

The product is attached with EAS Hard Tag.



Place on Detacher

After billing, place the tag on the EAM Detacher.



Magnetic Release

The strong 10000GS magnetic force releases the lock mechanism inside the tag.



Tag Removed

The tag is removed easily and can be reused.

TECHNICAL SPECIFICATIONS

Model	EAM Detacher
Magnetic Force	~10000GS
Operation	Manual
Indicator	LED Indicator
Material	ABS Plastic
Color	Black
Usage	For EAS Hard Tags
Application	Retail Stores, Supermarkets, Garment Shops, Malls, etc.



IDEAL FOR

- ✓ Retail Stores
- ✓ Supermarkets
- ✓ Garment Shops
- ✓ Malls
- ✓ Departmental Stores